

LIGHTNING PROTECTION TYPICAL

2 BONDING DETAIL FOR ROOF VENT OR EQUIPMENT SCALE: NONE

LIGHTNING CONDUCTOR

AIR TERMINAL 1/2" X 10" ———

LIGHTNING PROTECTION ROOF

EXHAUST MOUNTED AIR TERMINAL DETAIL

SCALE: NONE

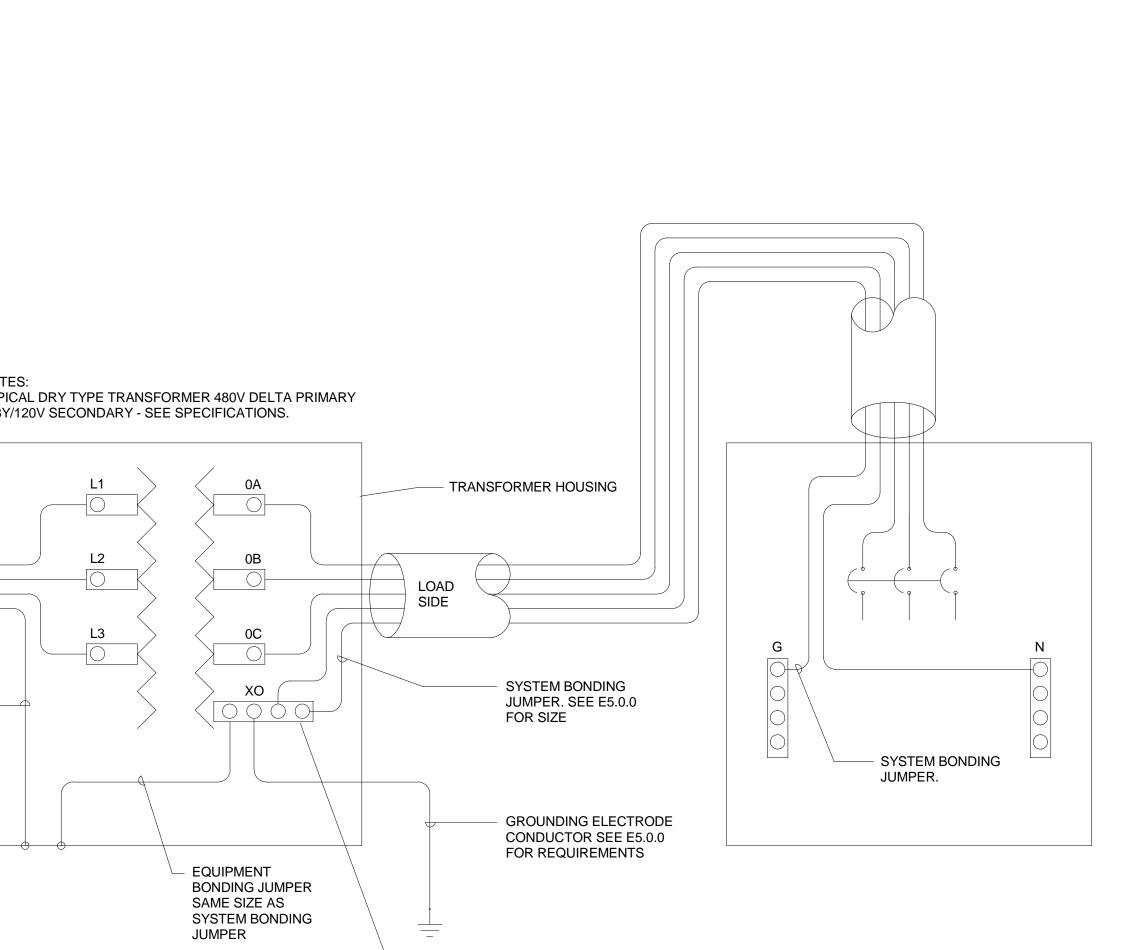
ADHESIVE BASE

LIGHTNING CONDUCTOR

- BRONZE BONDING PLATE

LIGHTNING CABLE —

LOOP CABLE CLIP —



SMITHGROUP architecture engineering interiors planning

SMITHGROUP, INC 35 EAST WACKER SUITE 2200 CHICAGO, IL 60601 T 312.641.0770 F 312.641.6728 www.smithgroup.com

JJR, LLC 35 EAST WACKER DRIVE SUITE 2200 CHICAGO, ILLINOIS 60601 312.641.0510 T 312.641.0668 F www.jjr-us.com

Affiliated Engineers, Inc. 5802 Research Park Boulevard Madison, Wisconsin 53719 Tel 608.238.2616 Fax 608.238.2614

Thornton Tomasetti Thornton Tomasetti, Inc. 330 N. Wabash Avenue, Suite 1500 Chicago IL 60611-7622

T 312.596.2000 **F** 312.596.2001 TERRA ENGINEERING LTD. 225 West Ohio Street, 4th Floor Chicago, Illinois 60654 T:(312)467-0123 F:(312) 467-0220

SEALS AND SIGNATURES



ISSUED FOR CONSTRUCTION BY APVD DATE REV. NO. DESCRIPTION Facilities Management Services PROJECT TITLE ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY PROJECT NO 08541-00

A/E CADD FILE DESIGNED DLW E8.0.3 A/E DWG. NO. E8.0.3

ELECTRICAL DETAILS

DLW CHECKED BRB PROJECT MANAGER DWG STATE ANL - JESSE ADAMS DATE - 11/07/11 BIND ORDER FACILITY DOCUMENT NUMBER

DRAWING TITLE